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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of 10 2800 MAIL ROOM

Koji SATO et al. : Docket No. 2001-0406

Serial No. 09/826,825 : Group Art Unit 2834

Filed April 6, 2001 : Examiner J. Waks

## PERMANENT MAGNET MOTOR AND ROTOR THEREOF

SUPPLEMENTAL PRELIMINARY AMENDMENTAssistant Commissioner for Patents,  
Washington, D.C.**THE COMMISSIONER IS AUTHORIZED  
TO CHARGE ANY DEFICIENCY IN THE  
FEES FOR THIS PAPER TO DEPOSIT  
ACCOUNT NO. 23-0975**

Sir:

Kindly amend the above-identified application as follows:

**IN THE CLAIMS:****Please cancel claim 1.****Kindly add the following new claim 2:**

2. A permanent magnet motor comprising:

a stator having skewed stator teeth; and

a rotor coaxially inserted within said stator, wherein said rotor comprises a cylindrical permanent magnet having magnetically anisotropic orientation in a single diametrical direction perpendicular to a cylinder axis of said cylindrical permanent magnet, with said permanent magnet being magnetized to have evenly disposed magnetic poles around a circumference of said cylindrical permanent magnet,

wherein said evenly disposed magnetic poles are  $k$  in number, with  $k$  being an even integer not smaller than 4 and not greater than 100, and

wherein said stator teeth are  $n$  in number, with  $n$  being equal to  $3n$  when  $n$  is a positive integer not exceeding 33, with the proviso that  $k$  is not equal to  $n$ .

**REMARKS**

Prior to examination of this application, it is respectfully requested that the above Amendment be entered.

Respectfully submitted,

Koji SATO et al.

By:

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